

USOSKIN, M.M., prof.; TARASOV, M.M., dotsent, prepod.; INOZEMTSEVA, N.S.,
kand. ekon. nauk, prepod.; VOROB'YEV, S.F., dotsent, prepod.;
MAKAROCHKIN, A.V., dotsent, prepod.; BOROZDIN, B., red.; LEBEDEV, A.,
tekhn. red.

[Collection of problems on the issuing of credit, payments, and cur-
rency circulation] Sbornik zadach po kreditovaniyu, raschetam i dene-
zhnomu obrashcheniyu. Avterskii kollektiv po rukovodstvu M.M.Usos-
kina. Moskva, Gosfinizdat, 1961. 206 p. (MIRA 14:10)

1. Moscow. Finansovyy institut. 2. Moskovskiy finansovyy institut
(for Tarasov, Inozemtseva, Vorob'yev, Makarochkin).
(Finance)

RYBIN, Valeriy Ivanovich; BOROZDIN, B., red.; LEBEDEV, A., tekhn.
red.

[The differential system of credit and payments] Differentsi-
rovannyi rezhim kreditovaniia i raschetov. Moskva, Gosfin-
izdat, 1962. 90 p. (MIRA 15:7)
(Credit) (Payment)

TRUBENKOV, Vasiliy Il'ich; BYSTROV, F.P., prof., red.; BOROZDIN, B.,
red.; TELEGINA, T., tekhn. red.

[Foreign exchange operations in the U.S.S.R.] Valiutno-obmennye
operatsii v SSSR. Predisl. i obshchiia red. F.P. Byistrova.
Moskva, Gosfinizdat, 1963. 72 p. (MIRA 16:6)
(Foreign exchange)

KOLYCHEV, Lev Ivanovich; BOROZDIN, B., red.; LEBEDEV, A., tekhn. red.

[Working capital of collective farms] Oborotnye sredstva
kolkhozov. Moskva, Gosfinizdat, 1963. 193 p.

(MIRA 16:7)

(Collective farms--Finance)

BOROZDIN, D., inzhener.

~~REDACTED~~
Repairing composite barges. Mor.1 rech.flot 14 no.3:29-30 Mr '54.
(MLRA 7:5)
(Barges)

BOROZDIN, D.L.

The Iskanderkul' Lake. Uch.zap. Stal. gos. ped. inst. 21:59-64
'59. (MIRA 14:5)
(Iskanderkul', Lake)

BOROZDIN, E.K.

Spermiogenesis and cycle of the seminal epithelium in reindeer.
Arkhnat., gist. i embr. 46 no.5:33-39 My '64.

(MIPA 18:2)

1. Otdel olenevodstva (zav. - kand.sel'skokhoz. nauk N.O.
D'yachenko) Nauchno-issledovatel'skogo instituta sel'skogo
khozyaystva Kraynego Severa, Noril'sk. Adres avtora: Noril'sk,
Krasnoyarskiy kray. Kvartal 17, d.18, Nauchno-issledovatel'skiy
institut sel'skogo khozyaystva Kraynego Severa. Otdel olenevodstva.

BOROZDIN, E.K.

Diurnal periodicity in the stages of reindeer spermatogenesis.

Izv. SO AN SSSR no.4 Ser. biol.-med. nauk no.1:101-105 '64.

(MIRA 17:11)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva
Kraynego Severa, Noril'sk.

BOROZDIN, I.G.

Planning and building of hospitals in Sweden and France. Sov.zdrav.
15 no.5:7-12 S-O '56. (MLRA 10:1)

(HOSPITALS

in France & Sweden, planning & construction)

3-7-15/29

AUTHOR: Borozdin, I.G., Deputy Minister of Higher Education in the USSR

TITLE: The Life of Students - the Center of Attention (Byt studentov - v tsentr vnimaniya)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 7, pp 55-59 (USSR)

ABSTRACT: The author states that the improvement in the training of specialists depends to a considerable degree upon their current living conditions. Therefore, the government spends a considerable amount of money for this purpose.

The number of students in the vuzes of the USSR Ministry of Higher Education has increased in the country as a whole by more than 2.4 times during the post war period and has about quadrupled in the vuzes of the eastern areas of the country. From 1946 - 1956, 4 billion rubles were spent on the construction and reconstruction of vuz accommodations. In 1956 alone vuz school space increased by 885,000 sq. m. or by 35% above 1940, and students' living accommodation by 206,000 sq. m. or by 23% above 1940. Construction of new vuzes was carried out also in the Urals, Siberia, the Far East and Kazakhstan. This activity increases every year. The financial investment for this work

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amounted to 15,4% of total investments of the Ministry of Higher Education and it will reach 39,6% during the Sixth Five-Year-Plan.

There are many vuzes, in particular in the eastern areas, where the lack of school accommodations and students' homes creates great difficulties. The reason is that the available financial means are not always utilized. The realization of the construction program requires the joint efforts of the Ministry of Higher Education and the vuz managements as well as the support of the Party, the local soviets and the professional unions. An inspection of students' homes has shown that the participation of the vuz management and of social organizations into the students' well-being contributes greatly to the satisfactory conditions of students' life. The author indicates as an example the Khar'kov Polytechnical Institute (Khar'kovskiy politekhnicheskii institut) where the students' home for 4,500 people is well equipped. This, however, is not the case in other places, and the author lists a few poor examples.

Very careful work is also necessary in the struggle against the immoral conduct and asocial tendencies still existing among students. Also the education of the youth in the care of state

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property, in hygiene and tidiness is considered very important. There is, however, one more problem to be solved: the evacuation of unauthorized tenants who took possession of vuz accommodations during the World War. Of about 500,000 sq.m. of students' homes formerly occupied by these unauthorized tenants, 120,000 sq. m. are still not released. The solution of this problem is part of the government's permanent endeavours to improve social conditions of the working masses.

An important factor in the improvement of students' life is also the problem of public nutrition. Students complained during their meetings on the insufficiency of food at the vuz messes; consequently many students prepare their food at home. Measures have been taken to improve this, e.g. the presidium of VTSSPS criticized some institute heads, in particular, the rector of the L'vov University, Ye.K. Lazarenko; the director of the Saratov Economics Institute, N.A. Lobachev; the director of the Kuybyshev Construction Engineering Institute, O.G. Denisov and the head of the Leningrad Mining Institute, D.A. Kazakovskiy, for their neglect of the students' well-being and for their failure to visit occasionally the students' dormitories and mess halls, and their failure to take corrective action, especially when the directives of

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the presidium have established concrete measures and recommendations for the well-being and improvement of the social conditions of students.

AVAILABLE: Library of Congress

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USSR/ Mathematics

Card 1/1 Pub. 22 - 2/47

Authors : Borozdin, K. V.

Title : About one possible generalization of the Heilbronn-Landau theorem

Periodical : Dok. AN SSSR 98/5, 705-707, Oct 11, 1954

Abstract : The generalization of the H. Heilbronn and E. Landau theorem, for the case where less rigid conditions are superimposed over the series with convergence radius 1 the coefficients of which have a finite lower period, is presented in the form of a thesis. One German reference (1933).

Institution : Academy of Sciences USSR, The V. A. Steklov Institute of Mathematics

Presented by: Academician I. M. Vinogradov, July 8, 1954

16 (0)

AUTHOR:

Borozdin, K. V.

S/030/60/000/01/055/067
B015/B011

TITLE:

Topological Conference at Tbilisi

PERIODICAL:

Vestnik Akademii nauk SSSR, 1960, Nr 1, pp 103 - 104 (USSR)

ABSTRACT:

The author describes the course of the Conference held at Tbilisi from October 5 to 10, 1959 which was devoted to the trends of Soviet topology. It had been convened by the Matematicheskii institut im. V. A. Steklova Akademii nauk SSSR (Institute of Mathematics imeni V. A. Steklov of the Academy of Sciences of the USSR), the Institut matematiki im. A. M. Razmadze Akademii nauk Gruzinskoy SSR (Institute of Mathematics imeni A. M. Razmadze of the Academy of Sciences of the Gruzinskaya SSR) and the Tbilisskiy universitet im. I. V. Stalina (Tbilisi University imeni I. V. Stalin). In his opening speech, Academician P. S. Aleksandrov stressed the importance of topology as a new field of mathematics. Over 80 lectures and communications were delivered at the Conference. M. M. Postnikov and his pupils lectured on the theory of natural systems and cohomologous operations, with particular mention of the work done by the young scientists S. P. Novikov and

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V. G. Averbukh, Ch. S. Chogoshvili and his pupils reported on "homologous topology". M. V. Bokshteyn devoted his lecture to the theorem of universal coefficients. Yu. M. Smirnov and Ye. T. Sklyarenko spoke on the theory of the dimension of infinite-dimensional spaces. V. I. Ponomarev and B. A. Pasynkov reported on the theory of the general topological spaces. V. A. Yefremovich, A. A. Ivanov, S. V. Fomin reported on neighborhoods and related problems. ✓

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BOROZDIN, K.V.

Generalized Abel theorem. Dokl. AN SSSR 137 no. 6:1270-1273 Ap
'61. (MIRA 14:4)

1. Matematicheskiy institut imeni V.A. Steklova, AN SSSR. Predstavleno
akademikom I.M. Vinogradovym.
(Functions, Abelian)

BOROZDIN, K.V., red.; ROMANOVA, S.F., tekhn. red.

[MM-48 marking machine; its design and operation] Markiroval'naya mashina MM-48; ustroistvo i obsluzhivanie. Moskva, Sviaz'izdat, 1963. 24 p. (MIRA 16:10)

1. Russia (1923- U.S.S.R.) Glavnoye pochtovoye upravleniye. (Marking devices)

BOROZDIN, P.I.

Precast reinforced concrete road pavements. Avt. dor. 21 no.5:23-24
My '58. (MIRA 11:6)

(Concrete slabs) (Roads, Concrete)

BOROZDIN, Viktor Petrovich; ORLEANSKAYA, S.V., otv. red.; TAKAREVA,
T.M., tekhn. red.

[Belianka and Pestraia in a rocket] Belianka i Pestraia v
rakete. Moskva, Gos. izd-vo detskoi lit-ry M-va prosv.
RSFSR, 1961. 30 p. (MIRA 15:2)
(Space flight--Juvenile literature)

BOROZDIN, V.S.

Results of three-hole seeding of acorns
Les 1 step', no.7, 1952

GORLANOV, M.G., преподаvat.; POKAZAN'YEV, Aleksandr; ADAKOV, V.V., kand.
-st. nauk, retsenzent; KULAGINA, G.A., kand. ist.nauk, retsen-
zent; BOROZDIN, Ye.A., red.; ZAVAROV, S.I., red.; POPOV, N.Ye.,
red.; BOGOZHNIK, V.N., red.; SILENSKIKH, T.N., red.; TARIKO,
A.N., red.; KOLOSNITSYN, V., redaktor; MAKSIMOVA, E., tekhn.
red.

[Revda stories; from the history of the Revda Hardware Manufactur-
ing and Metallurgical Plant] Revdinskie vyli; iz istorii Revdinsko-
go metiznometallurgicheskogo zavoda. Sverdlovsk, Sverdlovskoe
knizhnoe izd-vo, 1960. 154 p. (MIRA 15:8)

1. Sekretar' Revdinskogo gorodskogo komiteta Kommunisticheskoy
partii Sovetskogo Soyuza (for Silenskikh).
(Revda--Metallurgical plants)

POKAZAN'YEV, Aleksandr Arkad'yevich, zhurnalist; BOROZDIN, Ye.A.,
retsenzent; KHLEBNIKOV, P.I., retsenzent; BAKHMUTOVA, V.,
red.

[The city where I live] Gorod, v kotorom ia zhivu.
Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1963. 71 p.
(MIRA 17:6)

1. Plavil'shchik Sredne-Ural'skogo medeplavil'nogo zavoda,
gorod Revda (for Pokazan'yev). 2. Sekretar' partiynogo ko-
miteta Sredne-Ural'skogo medeplavil'nogo zavoda, gorod Revda
(for Khlebnikov).

L 11338-67 EWT(1) GW ACC NR: AP6029748	SOURCE CODE: UR/0210/66/000/005/0130/0137
AUTHOR: <u>Moiseyenko, F. S.; Puchkov, Ye. P.; Borozdin, Yu. G.</u> 17	
ORG: <u>Institute of Geology and Geophysics, Siberian Department, AN SSSR, Novosibirsk</u> (Institut geologii i geofiziki Sibirskoye otdeleniye AN SSSR)	
TITLE: Geophysical data on the morphology of <u>granitic massif</u> in the Novosibirsk section of the Ob basin 12	
SOURCE: <u>Geologiya i geofizika</u> , no. 5, 1966, 130-137	
TOPIC TAGS: gravimetric <i>SURVEY</i> , deep drilling, granite, geo- physical prospecting, <i>GEOMORPHOLOGY</i>	
ABSTRACT: The article analyzes the form of Barlak, Bibeyevo, and Novosibirsk granitic massifs on the basis of <u>gravimetric</u> data. This investigation is connected with preparation of a preliminary sketch of the Novosibirsk super-deep borehole. Spatial characteristics of the massifs are given. It is concluded that the anomalies above these granitic massifs are mainly due to irregularity of their bases. Orig. art. has: 3 figures.	
SUB CODE: 08 / SUBM DATE: 20Feb65/ ORIG REF: 004/ OTH REF: 002/	
Card 1/1 <i>Am</i>	UDC: 552.321.1:550.83(571.14)

BOROZDINA, A.A., kand. med. nauk; TRAVKIN, A.A.

Compensatory-adaptive mechanisms in patients with unilateral
arthrosis deformans of the hip joint. Ortop., travm. i protez.
26 no. 10:15-20 O '65. (MIRA 18:12)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir. -
chlen-korrespondent AMN SSSR prof. M.V. Volkov). Adres avtorov:
Moskva A-299, ul. Priorova, dom 10, Tsentral'nyy institut
travmatologii i ortopedii. Submitted March 17, 1965.

BOROZDINA, A. P.

BOROZDINA, A. P. -- "The Growth and Development of Young Alatau Animals."
Min Higher Education USSR. Moscow, 1955. (Dissertation for the
Degree of Candidate in Agriculture Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

VSYAKIKH, A.S.; BOROZDINA, A.P.

Growth and development of young cattle under Alpine conditions.
Trudy Inst.morf.zhiv. no.37:100-109 '60. (MIRA 13:6)

1. Moskovskaya veterinarnaya akademiya.
(Cattle)

1ST AND 2ND CROSS		3RD AND 4TH CROSS	
PROCESSING AND PRE-PESTICIDE HISTORY			
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The burning qualities of tobacco. A. J. Bumpelina. <i>Proc. Acad. Tobacco Sci. (Kilmichael) No. 105, 3-11(1933).</i>—A high protein content, chlorides and sulfates of Mg, impede the burning of tobacco. K salts favor the burning. Nitrates also hasten the burning, but combustion is incomplete. The phys. factors which enter in the tobacco products manual, like compactness, moisture content, etc., were especially investigated. J. S. Joffe			
ASAC-31A METALLURGICAL LITERATURE CLASSIFICATION ESTABLISHED 1931			
RECORD NUMBER		RECORD DATE	
RECORD NO. 1		RECORD DATE 1931	

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

17

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A colorimetric method of determining nicotine. A. S. Borodina. *Vsesoyuz. Inst. Tabach. i Mashinost. Prikl. Khim.* 1937, 10: 65 (in English 165) (1937).—One-half g. of air-dry tobacco powder is placed in a 50-cc. glass-stoppered cylinder; 1.5 cc. of a 20% NaOH soln. and 20 cc. of benzene are added and the mixt. is shaken for 5 or 10 min. After settling 10 cc. of the soln. is placed in a separatory funnel to which 15 cc. of 0.1 N H₂SO₄ is added and shaken for 2 min. After sepg. the bottom acid layer another 15 cc. of the ext. is added and shaken and the acid portion wtd. Two 10-cc. portions of the acid separate are taken and to one 1-2 drops of methyl red is added and the content titrated with 0.1 N NaOH. The quantity of NaOH used for neutralization is added to the other 10-cc. portion retained in a flask. To it 1 cc. of H₂O-satd. aniline and 1 cc. of BrCN are added and allowed to stand for 20-30 min. The color thus developed is compared with a known standard. I. S. Ioffe

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

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THIRD STEP ONE ONE

FOURTH STEP ONE ONE

FIFTH STEP ONE ONE

SIXTH STEP ONE ONE

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EIGHTH STEP ONE ONE

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ELEVENTH STEP ONE ONE

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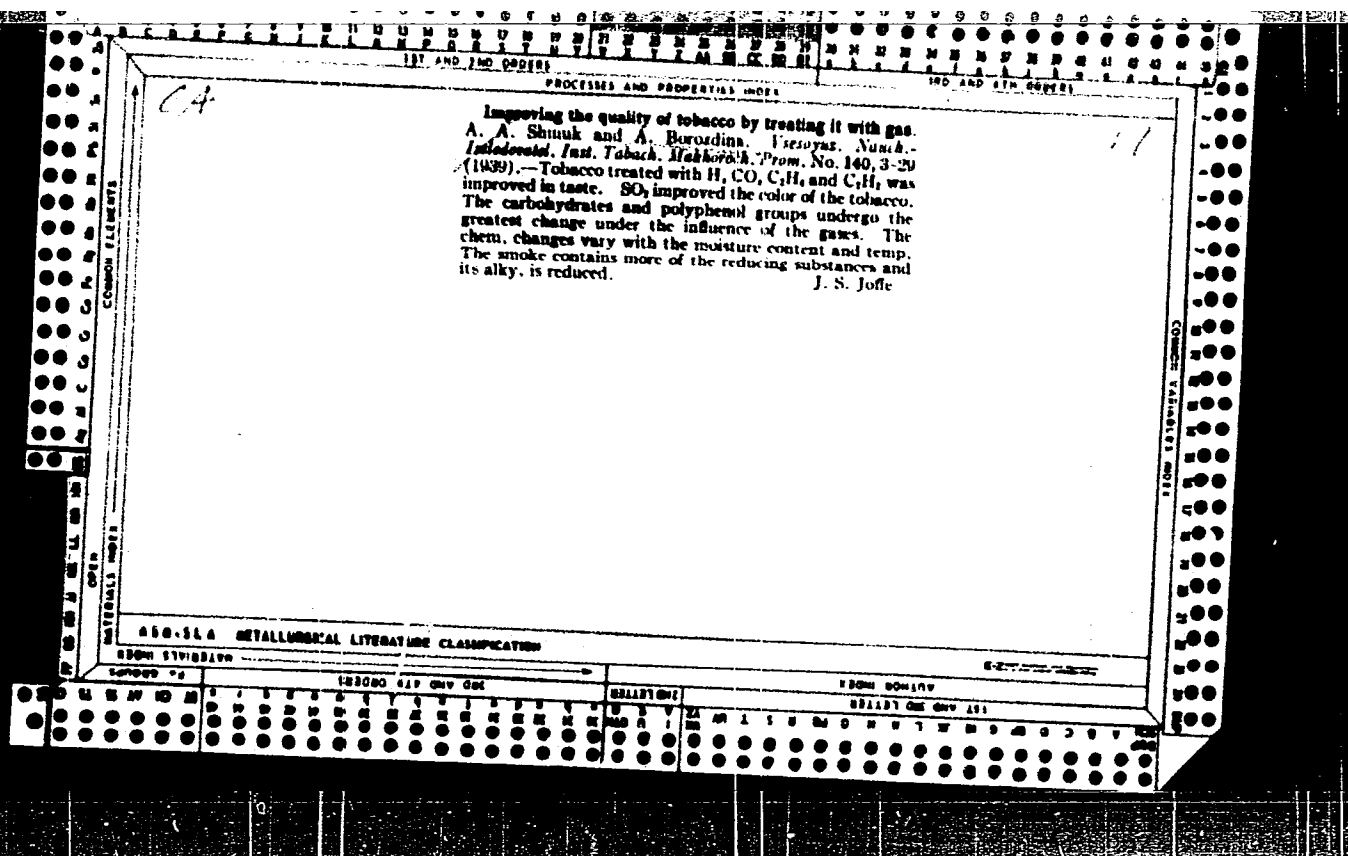
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1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
02 The content of fructose in tobacco. A. S. Borodina. <i>Vestnik. Inst. Tabach. i Makhoroch. Prom. No. 133.</i> 173-9(1937).—The fructose content may be used as a criterion of the quality of tobacco in place of the reducing sugar content. The colorimetric method of detg. fruc- tose is described. T. S. Toffe.																																																			
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PROCESSES AND PROPERTIES INDEX																			
<i>ca</i> <i>17</i> Determination of essential oils in tobacco. A. S. Berendina. <i>Tekhn. S. S. S. R.</i> 8, No. 2, 18-21(1938). <i>Chemie & industrie</i> 41, 567.—The tobacco is distd. at 110° C while a current of air is passed at the rate of 150-180 bubbles per min.; the oil is collected in a flask contg. concd. H_2SO_4. The distillates are combined and the oil is detd. colorimetrically by comparison with artificial stand-ard solns. prepd. with given quantities of Tropeolin O, Nigrosin and Blomarch brown. A. Paphneau-Couture																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYMBOLIC										FROM SYMBOLIC									
1930-1939										1940-1949									
1950-1959										1960-1969									
1970-1979										1980-1989									
1990-1999										2000-2009									



157 AND 158 COLUMNS										159 AND 160 COLUMNS									
PROPERTIES AND PROPERTIES INDEX																			
BC										Q-3									
Determination of nicotine and anabasine present together. A. GONZALEZ and A. BONOSPINA (J. Appl. Chem. Res., 1959, 32, 1852-1853).—Total alkaloids are determined in a sample of tobacco by titration of the 20% extractives. A second portion of the extractives of extractives is made acid with H₂SO₄, filtered, and 3 ml. of 10% H₂SO₄ and 10 ml. of 5% NaOH are added to 20 ml. of filtrate + washings. Nicotine is then pptd. as picrate (nitroso-anabasine is not pptd. under these conditions), and the ppt. is filtered in the usual way. Anabasine is given by difference. R. T.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION										FROM ROMANY									
FROM SYMBOLIC										FROM ROMANY									
FROM SYMBOLIC										FROM ROMANY									

157 AND 158 (REV 1)										159 AND 159A (REV 1)									
PROCESS AND PROPERTIES INDEX																			
BC		0-3																	
This method is used to determine the relative amounts of the various elements in a sample. The sample is first dissolved in a suitable solvent, and then the solution is analyzed by a suitable method. The results are expressed in terms of the relative amounts of the various elements.																			
The method is not applicable to samples of C, H, N, O, S, and P.																			
R. T.																			
ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION																			
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SOURCE SYMBOLS										SOURCE SYMBOLS									

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BOROSDINA, A.S.

Chemical properties of tobacco wares
Tabak 13, no.4, 1952

USSR.

The dependence of the hygroscopic properties of tobacco on its chemical composition. A. S. Borozdina. *Tabak* (U.S.S.R.) 12, No. 3, 42-5 (1951); *Chem. Zvesti.* 1951, 11, 3528-7; cf. C.A. 47, 827d, 8234e. -- Various kinds of tobacco were extd. with water, CHCl_3 (extn. of resins), $(\text{NH}_4)_2\text{C}_2\text{O}_4$ (extn. of pectin substances), alkalis, and acids (extn. of cellulose). After such extn., 1-1.5 g. samples were kept in a desiccator at 100% relative humidity until the wt. became const. or until mold began to grow. The water absorbed under these conditions, when expressed as percentage of the dry substance, is taken as the specific water capacity (SWC). Detns. of the extd. materials, total N, ash, reducing matter, and carbohydrates were carried out by the usual methods. It was found that the absorption of water, and therefore the SWC, depended primarily upon the content of water-sol. substances and colloids. The SWC was directly proportional to the content of carbohydrates and reducing substances. The pectin substances affected the SWC to an extent corresponding to their own capacity to absorb water and their degree of dispersion. Cellulose had a slight, const. effect on the SWC; resins had no effect. M. G. Moore

BORCZAKA, A. S.

Tobacco - Analysis and Chemistry

Investigating the alkaloid composition of tobaccos. Tabak No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

L 65070-65

ACCESSION NR: AR5018562

UF/0299/65/000/0114/B044/B044
627.779.931

SOURCE: Ref. zh. Biologiya. Svochnyy tom, Abs. 14B323

AUTHOR: Borozdina, A. S.; Bitkova, N. I.

TITLE: Biosynthesis of tetramycin in concentrated nutrition media

CITED SOURCE: Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, v. 12, 1964, 305-308

TOPIC TAGS: tetramycin, antibiotic, biosynthesis, pharmacognosy

TRANSLATION: Concentrated media have been developed for production of tetramycin using Actinomyces rimosus, strain T-118. The media contained (in %): medium 1 - corn extract 1, starch 3, ammonium sulfate 0.6, sodium chloride 0.5, calcium carbonate 0.625, cobalt chloride 1 /ml, corn flour 2.5; medium 2 - corn extract 1.2, starch 5, ammonium sulfate 0.625, sodium chloride 0.4, calcium carbonate 0.8, cobalt chloride 1 /ml, disodium phosphate 0.04, soybean flour 2.5. In the medium with corn flour the activity reached 3360-4300 units/ml, and in the soybean medium it reached 4380-5275 units/ml; duration of

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L 65070-65

ACCESSION NR: AR5018562

the process was 120 hrs. The highest rate of terramycin biosynthesis took place from the 48th to the 96th hrs of fermentation; the optimum pH was 6.2-6.3. A. Meshkov.

SUB CODE: LS

ENGL: 00

Na
Card 2/2

BOROZDINA, K.I.

Effectiveness of the preparations 23 and DD in controlling the
potato nematode (*Heterodera rostochienis* W.) Trudy VIZR no.14:79-
92 '60. (MIRA 14:2)

(Latvia—Potatoes—Diseases and pests)
(Nematode diseases of plants)
(Nematocides)

BOROZDINA, K.I., starshiy nauchnyy sotrudnik

Harmful nematodes. Zashch. rast. ot vred. i bol. 7 no.10:
41-42 0 '62. (MIRA 16:6)

1. Vsesoyuznyy institut zashchity rasteniy.
(Nematode diseases of plants)

2

CA BORODINA, L. A.

The nature of the exchange reaction between humic acid and calcium acetate. T. A. Kukharevko and L. A. Borodina. *Kolloid. Zhur.* 11, 244-50(1949); *Ch. L.A.* 43, 1950. The rate of reaction between 2 specimens of humic acid (I) (65.5 and 65.7% C) and $\text{Ca}(\text{OAc})_2$ solns. increased with temp. (20-100°) but the final amt. of AcOH liberated was independent of temp.; it increased with the concn. of $\text{Ca}(\text{OAc})_2$ and was not affected by addn. of CaCO_3 . Hence, $\text{Ca}(\text{OAc})_2$ reacts with the CO_2H groups of I without affecting its OH groups. A specimen of I contg. 67.3% C liberated more AcOH at high than at low temp. I. I. Niketman

ZABAVIN, V.I.; BOROZDINA, L.A.; NEMTSOVA, V.G.

Studying the oxidation process of coals as related to their
tendency for self-heating and self-ignition. Trudy IGI 8:198-212
'59. (MIRA 13:1)

(Coal weathering)

BOROZDINA, L. A.

Hydrolytic stability of nitrogen compounds of peat. Trudy IGI 17:
88-98 '62. (MIRA 15:10)

(Peat—Analysis) (Nitrogen compounds)

BORCZDINA, L. A.

Thermal stability of nitrogen compounds of upland and bottom
peats. Trudy IGI 17:99-106 '62. (MIRA 15:10)

(Feat--Analysis)

(Nitrogen compounds--Thermal properties)

BOROZDINA, L. A.

Thermal stability of nitrogen compounds in metamorphic coals.
Trudy IGI 17:107-115 '62. (MIRA 15:10)

(Coal—Analysis)

(Nitrogen compounds—Thermal properties)

Borozdina, M.S.
GARF, B.A.; BOROZDINA, M.S.; REKANT, N.V.

Investigation of the reflecting surfaces of solar apparatus.
Ispol'.soln.energ. no.1:49-61 '57. (MIRA 10:11)
(Solar energy)

18.7400
18.8300

83620
SOV/81-59-5-15721

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, p 297 (USSR)

AUTHOR: Borozdina, M.S.

TITLE: The Protection of Aluminum Reflectors Intended for Operation
Under Tropical Climatic Conditions Against Corrosion

PERIODICAL: Sb. Kom-t po korrozii i zashchite metallov Vses. sov. nauchno-
tekhn. o-v, 1958, Nr 3, pp 97 - 103

ABSTRACT: The technology is described for the production of Al-reflectors
(R), which are not subject to corrosion under conditions of a
tropical climate. The most effective material for R turned out
to be the cold-hardened high-purity (99.9%) AVOM-grade Al. A
decrease in the purity of Al causes a decrease of the reflecting
power of its surface and a switch of the directed reflection to
the scattered type. The forged R, after etching and degreasing
in an alkaline solution and purification in HNO_3 (specific
gravity 1.4), is subjected to mechanical grinding and polishing
through several operations in special molds. After degreasing
in gasoline, T is subjected to electric polishing in a bath of

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SOV/81-59-5-15721

The Protection of Aluminum Reflectors Intended for Operation Under Tropical Climatic Conditions Against Corrosion

the following composition (in weight %): H_3PO_4 34-43, H_2SO_4 34-43, CrO_3 6, H_2O - the rest; $D_a \geq 10$ a/dm², voltage ≥ 24 v, holding time 5-10 min, temperature 60 - 80°C, the cathode material is Pb. The oxide film is removed in the following solution (in g/l): $K_2Cr_2O_7$ 15, Na_2CO_3 20 for three minutes at a temperature $\geq 80^\circ C$. Then R is anodized in 20%- H_2SO_4 at a temperature $\leq 25^\circ C$; D_a 10 a/dm², the voltage is 12 v, the holding time 15 minutes. The film obtained is consolidated by immersion in a solution of liquid glass for 10 minutes, (specific gravity 1.15). After a thorough washing and rinsing in distilled water, R is dried at 125°C. The directed reflecting power of R, which are produced according to the given technology, is 80%. Contrary to reflectors made of Ag, the reflecting power of these R, under atmospheric conditions, hardly decreases at all over a long period of time. The resistance to corrosion of electro-polished Al also remains high under conditions of a tropical climate. 44

V. Levinson

Card 2/2

BORODINA, M.S.

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	Mauchno-tshincheskoye i spetsial'nyye polystyren metallov (protective) Inconitive, and Special Coatings for Metals) Kiyev, Mauchno, 1959. 291 p. 8,200 copies printed.	
	Editorial Board: P. K. Lavrenko, M. I. Litvak, and A. P. Kyzhis (Pres. Bd.) Ed. of Publishing House: M. S. Borodina; Chief Ed. (Southern Division, Mauchno): V. K. Sedyuk, Engineer.	
	PURPOSE: This book is intended for technical personnel in the field of protective coatings for metals.	
	CONTENTS: The papers in this collection, presented at a conference of the VTO Mauchno held in Odessa, deal with the mechanism and acceleration of metal-coating and plating processes performed by spraying, electrolytic, and other methods. Quality control of protective coatings is also discussed. No personalities are mentioned. References follow several of the papers.	
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	Ingles, Z. P., Engineer (Moscow). Electrochemical Method of Regraving Iron and Steel Plates for Machines and Instruments	194
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	Ingles, Z. P., Engineer (Moscow). Automated Painting, Enamelling, and Glazing of Deeply Processed Products by Electrostatic Spraying	271
	Ingles, Z. P., Candidate of Technical Sciences (Moscow). Painting of Industrial Products in France	285

FEDURKIN, V.V.; REKANT, N.B.; BOROZDINA, M.S.

Producing aluminum mirrors by electrolytic polishing. Med.prom. 13
no.10:46-51 O '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instru-
mentariya i oborudovaniya, Energeticheskiy institut Akademii nauk SSSR
i zavod "Elektrosvet" imeni Yablochkova.
(MIRRORS) (ELECTROLYTIC POLISHING)

BOROZDINA, M.S.

PHASE I BOOK EXHIBITION

SR/442

Andersén, Erik. Experiments in Solar Energy. (Heat Power Engineering, 79. 21. Isop'nychnye kolebnyye energii (Heat Power Engineering, 79. 21. Use of Solar Energy) Moscow, 1960. 195 p. English slip inserted. 2,500 copies printed.

Sponsoring Agency: Andersén, Erik. Experiments in Solar Energy. G.M. Experiments in Solar Energy.

Author: Andersén, Erik. Experiments in Solar Energy. Professor Ed. of Publishing House: G.M. Experiments in Solar Energy. 1960. 195 p.

Abstract: The publication is intended for power engineers and economists interested in the industrial utilization of solar energy.

Contents: This collection of 19 articles is a continuation of an earlier work published under the same title in 1957. The articles present results of investigations conducted in the USSR during the last three years. The collection is divided into two parts. The first part contains articles on the use of solar energy and wind in the design of power plants. The second part contains articles on the use of solar energy in the design of power plants. The collection is intended for power engineers and economists interested in the industrial utilization of solar energy. The collection is intended for power engineers and economists interested in the industrial utilization of solar energy.

Author: Andersén, Erik. Experiments in Solar Energy. Professor Ed. of Publishing House: G.M. Experiments in Solar Energy. 1960. 195 p.

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Author: Andersén, Erik. Experiments in Solar Energy. Professor Ed. of Publishing House: G.M. Experiments in Solar Energy. 1960. 195 p.

Abstract: The publication is intended for power engineers and economists interested in the industrial utilization of solar energy.

24/04/61

CHEN, N.G.; BOCHAROV, V.A.; FURSOV, P.F.; SHUST, T.F.; DEKTYAREVA, V.K.;
BOROZDINA, R.R.; YUDINA, S.M.

Reducing the etching of welded joints in carbon and stainless
steels by acid solutions. Zashch.met. 1 no.6:726-728 N-D '65.
(MIRA 18:11)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.

L 27343-66 EWT(m)/T/EWA(d)/EWP(v)/EWP(t) IJP(c) JD/HM/HW/WB

ACC NR: AP6008031

SOURCE CODE: UR/0365/65/001/006/0726/0728

AUTHORS: Chen, N. G.; Bocharov, V. A.; Fursov, P. F.; Shust, T. F.; Dektyareva, V. K.; Borozdina, R. R.; Yudina, S. M.

ORG: Dneprodzerzhinsk Metallurgical Factory - vtuz
(Dneprodzerzhinskii metallurgicheskii zavod-vtuz)

TITLE: On the inhibition of corrosion of welded joints of carbon and stainless steels

SOURCE: Zashchita metallov, v. 1, no. 6, 1965, 726-728

TOPIC TAGS: steel, stainless steel, electrochemistry, carbon steel, anti-corrosion agent, corrosion, arc welding, corrosion inhibitor / 1Kh18N9T steel, St-3 steel, 1Kh18N9T steel, KKh-2 anticorrosion agent

ABSTRACT: This investigation was conducted to check experimentally the effectiveness of the agent KKh-2, described by N. G. Chen (Zh. prikl. khimii, 1964, 37, 1958) as an inhibitor of corrosion in welded joints of carbon and stainless steels during the pickling process. The extent and nature of corrosion were determined metallographically. Polarization curves for the welds and for base

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UDC: 620.193.41

L 27343-66

ACC NR: AP6008631

metals in 20% H_2SO_4 solution were also determined. The experimental results are presented in graphs and tables (see Fig. 1).

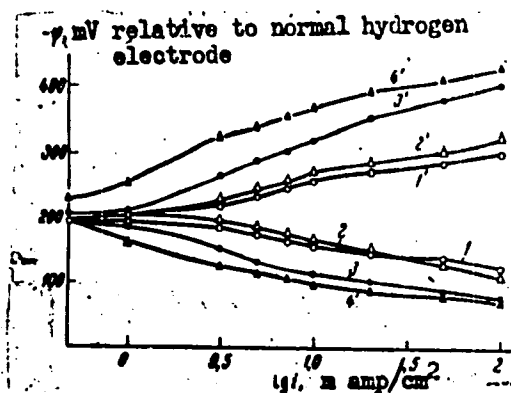


Fig. 1. Polarization curves for steel St-3, determined for the welding seam and base metal in 20% H_2SO_4 . 1 - 1' welding seam (without KKh-2); 2 - 2' base metal (without KKh-2); 3 - 3' welding seam (with KKh-2); 4 - 4' base metal (with KKh-2).

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ACC NR: AP6008631

4
It was found that the addition of the inhibiting agent KKh-2 to the pickling solution inhibits the corrosion of carbon steel St-3 welds and completely prevents the corrosion of stainless steel 1Kh18N9T. It is suggested that the inhibiting action of the inhibitor KKh-2 is due to the presence of surface active agents in the latter. These agents prevent the adsorption of chloride ions on the surface of the metal and retard the rate of the cathodic and anodic processes. Orig. art. has: 2 tables and 1 graph.

SUB CODE: 13,11/ SUBM DATE: 14Feb65/ ORIG REF: 002

Card 3/3

PP

DOROZDINA, T.

From student days. Izobr. i rats. no.7:23 JI '62. (MIRA 16:3)

1. Rabotnik otdela glavnogo metallurga Ural'skogo avtozavoda, g.Miass,
Chelyabinskoy obl.
(Founding—Technological innovations)

BOROZDINA, V.A., zasluzhennyy vrach RSFSR; GOL'DBERG, G.A., dotsent;
FEDOROVA, V.A., kand.med.nauk

Treatment of the Guillain-Barre syndrome with prednisone.
Pediatriia no.10:77-79 '61. (MIRA 14:9)

1. Iz 8-y infektsionnoy bol'nitsy (glavnyy vrach V.A. Borozdina),
kafedry terapii No.2 (i.o. zav. G.A. Gol'dberg), kafedry nervnykh
bolezney (zav. - prof. I.I. Kartsovnik) Stalinskogo instituta uso-
vershenstvovaniya vrachey (dir. - dotsent G.L. Starkov).
(NEURITIS, MULTIPLE) (PREGNADIENETRICONE)

IVANOV, B.I.; DOROKHOVA, N.P.; BOROZDINA, Ye.V.; KOSAREVA, Ye.S.

Dephenolizing the phenol waters of the "Slantsy" Combine
with a mixture of n-butyl ether and isopropyl ether. Trudy
VNIIT no.12:266-270 '63. (MIRA 18:11)

BOROZDINA, Z. I.

SOV/2284

PHASE I BOOK EXPLOITATION

3(5)

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftnyy institut

Perspektivy nefte-gazononosti i napravleniye geologorazvedochnykh rabot v severo-vostochnykh rayonakh Uralo-Volzhskoy tseftonnoy oblasti. (Oil and Gas-bearing Possibilities and Direction of Geological Exploration in the Northeastern Regions of the Volga-Ural Petroleum Region. Session of the Scientific Council of the All-Union Petroleum Scientific Research Institute for Geological Exploration Held at Kazan, December 1956) Moscow, 1,000 copies. Geostekhnizdat, 1958. 257 p. Bzata slip inserted. Printed.

Additional Sponsoring Agency: USSR- Ministerstvo geologii i obrany nefti.

Ed.: A. I. Khashever, Candidate of Geological and Mineralogical Sciences; Executive Ed.: P. R. Yerzhov; Tech. Ed.: E. A. Mikhina.

PURPOSE: This book is intended for petroleum geologist. COVERAGE: This collection of articles is the result of a field session held in Kazan, in December 1956 by the Scientific Council of the All-Union Petroleum Scientific Research Institute for Geological Exploration. The session was attended by members of the geological services of the various Petroleum Regions, Kazan, Ulyanovsk, Kuybyshev, etc. The institutions discussed the prospects and possibilities of oil-bearing question in the northeastern parts of the Volga-Ural oil-bearing district, its current problems in geological surveying, exploration, and production for future drilling. All reports, presentations, replies, and queries, the resolutions and recommendations made by the Council, and the chairman's concluding remarks are reproduced in the collection. The articles are accompanied by diagrams and tables. No references are given.

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Oil and Gas-bearing Possibilities (Cont.)	SOV/2284
Filipova, M. P., S. M. Aronova, and G. V. Dement'yeva. Stratigraphy, Lithology, and Facies of the Devonian Part of the Devonian of the Northern Regions of the Volga-Ural District	58
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BOROZDINA, Z.I.

Permian stratigraphy and paleogeography of the northern part
of the Volga-Ural region. Trudy VNIGNI no.25:118-200 '59.
(MIRA 13:7)
(Volga Ural region--Geology, Stratigraphic)

BOROZDINA, Z.I.

Stratigraphic position of cupriferous sandstones in the Perm
area of the Ural Mountain region. Trudy VNIGNI no.34:85-99
'61. (MIRA 15:7)
(Ural Mountain region--Copper)
(Ural Mountain region--Sandstone)

BOROZDINA, Z.I.; KLESHCHEV, A.I.; KLYBOV, V.A.

Some basic characteristics of the subsurface tectonics of the
Volga-Ural oil-bearing province. Dokl. AN SSSR 148 no.4:900-903
F '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut. Predstavleno akademikom A.A.Trofimukom.
(Volga-Ural region--Geology, Structural)

BOROZDINA, Z.I.

New data on the tectonics of Kirov Province and the Udmurt
A.S.S.R. in connection with oil potential. Sov. geol. 6
no.1:97-109 Ja '63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanyy institut.

(Volga-Ural region--Geology, Structural)

(Volga-Ural region--Petroleum geology)

BOROZDINA, Z.I.; KLESHCHEV, A.I.; KLUBOV, V.A.

Dislocations of the crystalline basement and sedimentary
cover in the Volga-Ural oil-bearing region. Trudy VNIGNI
no.40:66-78 '64. (MIRA 17:6)

BOROZDINOV, N.

[Collection of independent work of fifth-grade geography students; from work practice] Sbornik samostoiatel'nykh rabot uchashchikhsia po geografii v V klasse; iz opyta raboty. Moskva, Gos.uchebno-pedagog.izd-vo, 1960. 125 p.
(MIRA 15:8)

(Geography--Study and teaching)

BORCEDINOV, N.M.

Studying relief by means of contour lines in the seventh class.
Geog.v shkole 19 no.4:47-51 J1-Ag '56. (MIRA 9:10)
(Physical geography--Study and teaching)

BOROZDINOV, N.M. (Leningrad)

Apparatus for hanging maps and pictures. Geog. v shkole 22
no.1:72 Ja-F '59.

(Schools--Furniture, equipment, etc.) (MIRA 12:4)

BOROZDINOV, N.M., (Leningrad)

Several doubtful signs for local orientation. Geog.v shkole 22
no.6:59-60 N.D. '59. (MIRA 13:4)
(Gatchina District--Orientation)

BOROZDINOV, N.M.

Stimulating the work of students during geography lessons in the
fifth grade of secondary schools. Geog. v shkole 24 no.2:35-38
Mr-Apr '61.

(MIRA 14:3)

(Geography—Study and teaching)
(School excursions)

BOROZDINOV, N.M. (Leningrad)

How to organize a museum of local material in schools. Geog.v
shkole 24 no.6:39-42 N-D '61. (MIRA 14:10)
(Children's museums)

BOROZDINOV, N.M.

Students' independent work system in grade 5 geography lessons.
Mat. Otd. ucheb. geog. Geog. ob-va SSSR no.2:82-88 '63.
(MIRA 17:6)

1. BORODKIN, G.
 2. USSR (600)
 4. Seamen
 7. Increase the level of the ideological and political education of the crews of ocean-going vessels, Mor. flot, 12, No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

Borozdkin, K. G.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

COVERAGE: The volume deals with Russian contributions.
For personalities and references see Table of Contents.

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Bredikhin, B. M. (Kuybyshev). Some Problems in the Theory of Characters on Commutative Semi-group.	3-4
Val'fish, A. Z. (Tbilisi). On the Vinogradov Theorem of Three Primes.	4

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AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; LISHBERGOV, V.D.; TSOY, D.;
DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR', V.A., red.;
TYUTYUNIK, Ya.I., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.;
BELYAYEV, F.R., red.; RABINKOVA, L.K., red.izd-va; KOROVENKOVA,
Z.A., *tekhn.red.

[Standard cross sections of mine workings] Tipovye sechenia
gornyykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
gornomu delu. Vol.3. [Cross section of workings lined with
concrete and artificial stone for 2 and 3-ton cars] Sechenia vy-
rabotok, zakreplennykh betonom i iskusstvennym kamnem, dlia 2- i
3-tonnykh vagonetok. 1960. 447 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mining engineering)

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; VINARSKIY, I.S.;
 GOLOVATYUK, S.A.; NIKOLAYEV, G.P. Prinimali uchastiye:
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 FILIN, V.D. DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.;
 BUBYR', V.A., red.; TYUTYUNIK, Ya.I., red.; VARSHAVSKIY, I.N.,
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1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
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[Standard cross sections of mine workings] Tipovye sechenia gorn'nykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.2. [Cross section of workings lined with concrete and artificial stone, for 1-ton cars] Sechenia vyrabotok, zakreplennykh betonom i iskusstvennym kamnem, dlia 1-tonnykh vagonetok. 1960. 459 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshekht.
(Mining engineering)

AKOL'ZIN, L.Ye.; BOROZDOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.N. Prinsipali uchastiye: BEKYAYEV, P.R.; BEREZHNOY, N.V.; BUBYR', V.A.; VARSHAVSKIY, I.N.; DUDKO, V.P.; YERSHOV, V.S.; DUGIN, Ye.V.; DUKALOV, M.F.; IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO, A.I.; POKALYUKOV, S.N.; PRIKHOD'KO, N.D.; RUBIN, I.A.; SIDORENKO, P.A.; TYUTYUNIK, Ya.I.; KHMEL'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV, A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] Tipovye secheniya gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.4.
[Cross section of mines supported by a sectional reinforced-concrete lining of URP-11 panels for 1-, 2- and 3-ton railroad cars] Secheniya vyrabotok, zakreplennykh sbornoj zhelezobetonnoj krep'iu iz plit URP-II, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 278 p.

(MIRA 13:12)

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(Mine timbering)

18

5

190424149

PROCESSING AND PROPERTIES INDEX

The Influence of Niobium Additions on Creep of Heat-Resistant Austenitic Chromium-Nickel Steel. A. M. Borozdyka. (Izvestiya Akademii Nauk U.S.S.R., 1980, vol. 78, No. 2, pp. 213-214). [In Russian]. The influence of niobium on creep of heat-resistant steels was investigated. Results showed that niobium can replace tungsten as an alloying element in this steel. v. 11

450-55.4 METALLURGICAL LITERATURE CLASSIFICATION

1A 17T104

BOHOZDYUK G. G.

USSR/Cables - Electric
Echo Control

Jun 1947

"Echo-dampers and Their Use in International Cable
Lines," G. G. Borozdyuk, M. I. Shlyakhter, 2 pp

"Vest Svyaz, Elektro-Svyaz'" No 6

Part 1 of a two-part description of the need for
echo-dampers on long distance lines and methods
for their advantageous use. Graph showing
relationship of damping of echo to period of
circulatory current of the echo.

17T104

BORCZDYUK, N. N.

PHASE I BOOK EXPLOITATION

453

Yegorov, K. P. and Tikhanov, G. P.

Konstruirovaniye apparatury dal'ney svyazi (Designing of Long-distance Communications Equipment) Moscow, Gosenergoizdat, 1955. 422 p. 5,000 copies printed.

Ed.: Stipakov, I. S.; Tech. Ed.: Voronetskaya, I. V.

Reviewer: G. G. Borozdyuk.

PURPOSE: The monograph is intended for electrical engineers, but may also be used by technicians and students in the higher grades at vtuzes offering courses in electrical engineering.

COVERAGE: Account is given of technical designs and methods on which is based the construction of modern long-distance communications systems. Data on equipment components and design of units are presented in close connection with the technology of their production. Soviet equipment design and problems of mounting and shielding are reviewed. Reference data are contained in appendices.

Card 1/10

Designing of Long-distance Communications Equipment

453

K. P. Yegorov wrote chapters 1, 4, 5, 6, 7, 8, 9, 10 and 14. G. P. Tikhanov wrote chapters 2, 3, 11, 15 and 16. Chapters 12 and 13 were written jointly by the two authors. The authors thank the following personalities for their help: N. N. Shol'ts, T. S. Kloracheva, V. M. Sorokin (deceased), B. S. Klebanov, Ya. I. Velikin, L. I. Rabkin, P. P. Averin, Ya. F. Izzyanin, D. A. Yermolayev and I. V. Tideman. There are 39 references, 23 of which are Soviet, 9 English, 7 German.

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JJP/ad
7-22-58

BOROZENETS, A. F.

Borozenets, A. F. -- "Problems of the Selection and Agricultural Engineering of Vetchling in the Northern Steppe Region of the Ukrainian SSR." Min Higher Education Ukrainian SSR. Belaya Tserkov' Agricultural Inst. Belaya Tserkov', 1956. (Dissertation For the Degree of Candidate in Agricultural Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-111.

BOROZENETS, A. F.

USSR/Cultivated Plants. - Fodder

M-6

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1630

Author : A.F. Borozenets

Inst : Not Given

Title : Periods, Methods of Sowing and Norms of Seeding of Vetchling
in the Northern Steppe of the Ukrainian SSR.

Orig Pub : Ryb. Vses. n.-i in-ta kukuruzy, 1956, No 2, 32-35

Abstract : A report of the upshot of experiments conducted in 1951-1953
at the Krasnograd Testing Station.

Card : 1/1

BOROZHNETS, A. S.; GEORGIEVSKIY, A. P.

Vegetable oil from Xanthium seeds as a food product. Gig.
sanit., Moskva no.7:39-43 July 1951. (GIML 21:1)

1. Of Khabarovsk Medical Institute.

BOROZENETS, A.S.; ANDRIANOVA, T.S.

Vitamins P and C content in the fruits and vegetables grown in the
region of Khabarovsk. Trudy Khab.med.inst. no.20:224-230 '60.
(MIRA 15:10)

1. Iz kafedry obshchey khimii (zav. dotsent A.S.Boroznets)
Khabarovskogo meditsinskogo instituta.

(ASCORBIC ACID) (VITAMINS--P) (KHABAROVSK--FRUIT)
(KHABAROVSK--VEGETABLES)

BOROZENTSOV, K.

Charge. Voen. znan. 38 no.11:37-38 N '62. (MIRA 15:11)
(Russia—Revolution, 1917-1921—Personal narratives)

ACCESSION NR: AP4019325

S/0105/64/000/003/0008/0012

AUTHOR: Borozinets, B. V.; Ginzburg, S. A.; Gornshteyn, V. M.;
Shlimovich, V. D.; Sovalov, S. A.; L'vov, Yu. N.

TITLE: Computer for calculating power-system economy operation and the
operating experience gained at ODU YeES

SOURCE: Elektrichestvo, no. 3, 1964, 8-12

TOPIC TAGS: power system, Soviet united power system, power system
economics, power system economics computer, computer, interconnected
power systems, high economy power system operation

ABSTRACT: An analog computer intended for calculating the high-economy
operation of the Soviet United Power System (UPS) is described. The following
features were taken into account in designing the computer: (1) The UPS is
represented by an equivalent network in which all generating stations of a local
power system are replaced by an equivalent station having an equivalent incre-
mental economy rate characteristic; (2) Easy setting of any incremental
characteristic; (3) System loads are represented by equivalent loads that have

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ACCESSION NR: AP4019325

individual load curves; (4) Interconnection-line losses are evaluated by special methods. The computer comprises the following essential parts: 16 generating station equivalents, 16 loads, 15 tie lines, 8 nonlinear units representing incremental losses due to power exchanges and tie-line load restrictions, 14 elements for setting the resistances of transmission lines. The computer includes 128 UPT-4 amplifiers, 1,000 6D6A diodes, 800 SP-2-A potentiometers, 2,000 resistors, 7 power-supply packs, etc.; power consumption is 7 kw. Computation of a set of operating UPS conditions takes about 2 hrs. The computer has been in continuous use since Nov. '62. "L. B. Denisevich (ODU YeES) and N. S. Malishevskaya (VNIIE) took part in aligning and operating the computer." Orig. art. has: 3 figures and 1 table.

ASSOCIATION: VNIIE (All-Union Scientific Research Institute of Electrical Power Engineering); ODU YeES (Joint Load-Dispatcher's Office, United Power System)

SUBMITTED: 10Jun63

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: PR, EE

NO REF SOV: 001

OTHER: 000

Card 2/2

BOROZINETS, B.V.; GINZBURG, S.A.; GORNSHTEYN, V.M.; SHLIMOVICH, V.D.;
SOVALOS, S.A.; L'VOV, Yu.N.

The RER computer and its use in the central dispatcher office of
the consolidated electric power system. Elektrichestvo no.3:8-12
Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki
(for Borozinets, Ginsburg, Gornshateyn, Shlimovich).
2. Ob" yedinennoye dispetcherskoye upravleniye Yedinoi energeticheskoy
sistemy SSSR (for Sovalov, L'vov).